



*Date of Application, 1st June, 1904*

*Complete Specification Left, 27th Feb., 1905—Accepted, 30th Mar., 1905*

PROVISIONAL SPECIFICATION.

**Improvement in Neck-compresses or Appliances for the External Treatment of Throat-complaints.**

I, KARL RUDOLF LEUPOLD, Engineer, of Nordstrasse 45, Zwickau, in the Kingdom of Saxony, do hereby declare the nature of this invention to be as follows:—

This invention relates to means for the external application of steam or heat  
5 to the neck for curative purposes.

This invention has for its object, to provide a curative device, which is adjustable so as to suit various sizes of neck and which may be applied to any desired part of the neck.

In the accompanying drawings Fig. 1 is a plan of a neck compress consisting  
10 of two parts hinged together.

Fig. 2 is a plan of neck compress composed of two adjustable parts, and

Fig. 3 a plan of a three-sided neck compress embodying my invention.

The improved compress chiefly consists of metallic hollow bodies *a* connected directly or indirectly by means of hinge joints or analogous means.

15 Each of these bodies serves as a heat reservoir filled with hot water or other suitable material.

A piece of wet cloth or felt is laid on the inside of this body, and a piece of dry wollen cloth is laid on the wet cloth, and made to envelope the entire apparatus, after which the apparatus is laid against the neck and fastened by  
20 means of straps *r*.

The heating medium in the interior of the hollow body then causes the water in the wet cloth to evaporate, and the vapours, thus formed, penetrate through the wollen envelope to the neck.

For steaming only one particular part of the neck, only one of the said hollow  
25 bodies *a* is charged with hot water or other heating medium, and applied to the part to be treated.

In Fig. 2 the hollow bodies *a* are made to slide along a hoop *c*, until they occupy the desired position and then fixed by set-screws. The hoop *c* is provided with a hinge joint.

30 Each of the hollow bodies *a* has a fill opening, and a screw-plug for closing the same.

Dated this 31st day of May 1904.

FAIRFAX & WETTER,  
Patent Agents for the Applicant.

COMPLETE SPECIFICATION.

**Improvement in Neck-compresses or Appliances for the External Treatment of Throat-complaints.**

I, KARL RUDOLF LEUPOLD, Engineer, of Nordstrasse 45, Zwickau, in the Kingdom of Saxony, do hereby declare the nature of this invention and in what

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*Neck-compresses or Appliances for the External Treatment of Throat-complaints.*

manner the same is to be performed to be particularly described and ascertained in and by the following statement:—

Illnesses or complaints arising from “catching cold” are frequently treated externally by means of steam-compresses, which consist of woven fabrics dipped in boiling water and then applied to the part affected by the disease. 5

In some cases compresses are used, in which elastic bodies serve as heat-carriers.

For diseases of the neck or throat, however, only hot cloths or woven fabrics are suitable firstly because the seat of the disease is often on one side only of the neck, and secondly because a flexible hollow body filled with water when enveloped with woven fabrics and laid tightly around the neck, would impede the breathing process. 10

This invention has for its object, to provide a heating and cooling bottle which is adjustable so as to suit various sizes of neck and which may be applied to any desired part of the neck. 15

In the drawings filed with the Provisional Specification Fig. 1 is a plan of a neck compress consisting of two parts hinged together;

Fig. 2 is a plan of a neck compress composed of two adjustable parts, and

Fig. 3 a plan of a three-sided neck compress embodying my invention.

The said heating and cooling bottle chiefly consists of metallic hollow bodies *a* connected directly or indirectly by means of hinge-joints or analogous means. 20

Each of these bodies serves as a heat reservoir filled with hot water or other suitable material.

A piece of wet cloth or felt is laid on this body, and a piece of wollen cloth is laid on the wet cloth, and made to envelope the entire apparatus, after which the apparatus is laid against the neck and fastened by means of straps *r*. 25

The heating medium in the interior of the hollow body then causes the water in the wet cloth to evaporate, and the vapours thus formed penetrate through the wollen envelope to the neck.

For steaming only one particular part of the neck, only one of the said hollow bodies *a* is charged with hot water or other heating medium and applied to the part to be treated. 30

In Fig. 2 the hollow bodies *a* are made to slide along a hoop *c*, until they occupy the desired position, and are then fixed by set-screws. The hoop *c* is provided with a hinge-joint. 35

Each of the hollow bodies *a* has a fill-opening and a screw-plug for closing the same.

Instead of a heating fluid a cooling medium may be contained in the metallic receptacles *a*.

Having now particularly described and ascertained the nature of my said invention and in what manner the same is to be performed, I declare that what I claim is:— 40

1. A neck-heating and cooling bottle comprising an adjustable combination of two or more hollow metal bodies or sections and adapted to be filled with hot water or other suitable material, then applied to the neck, each of the said component parts or sections being capable of being used also without the others, substantially as described. 45

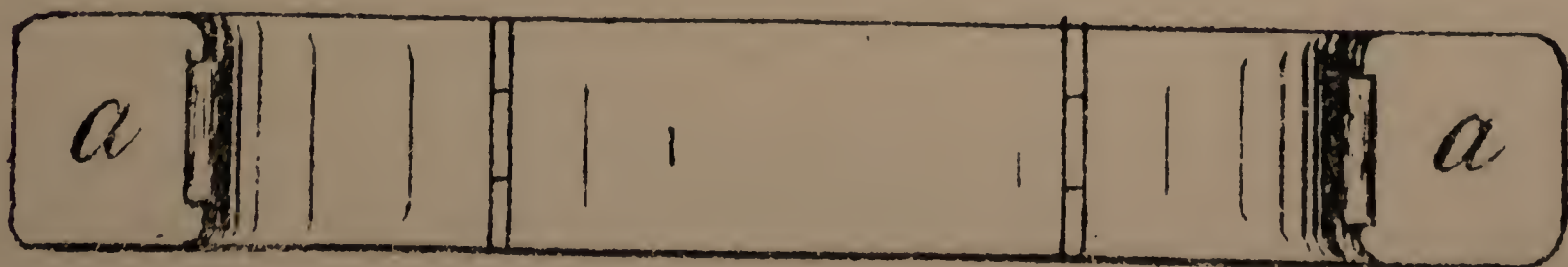
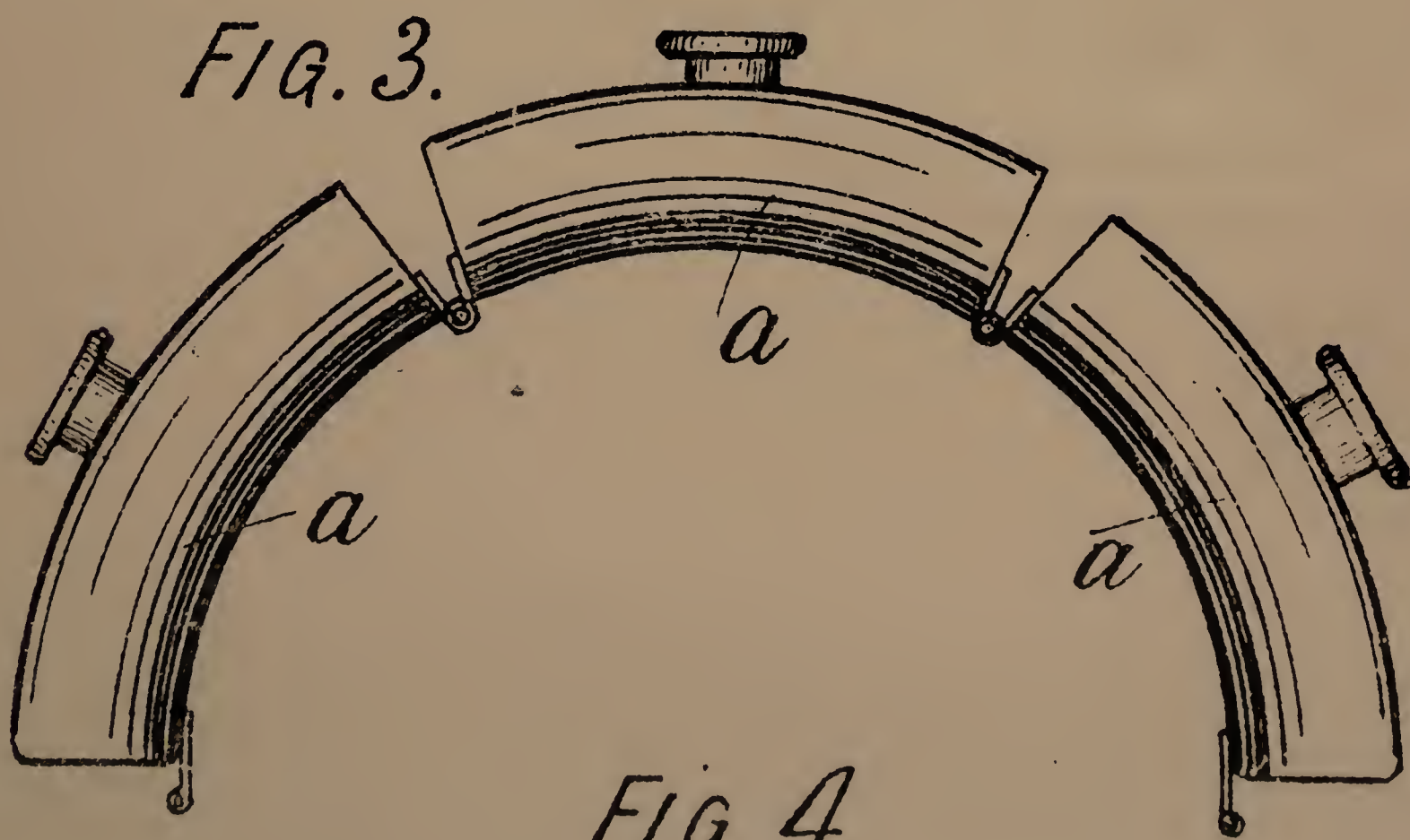
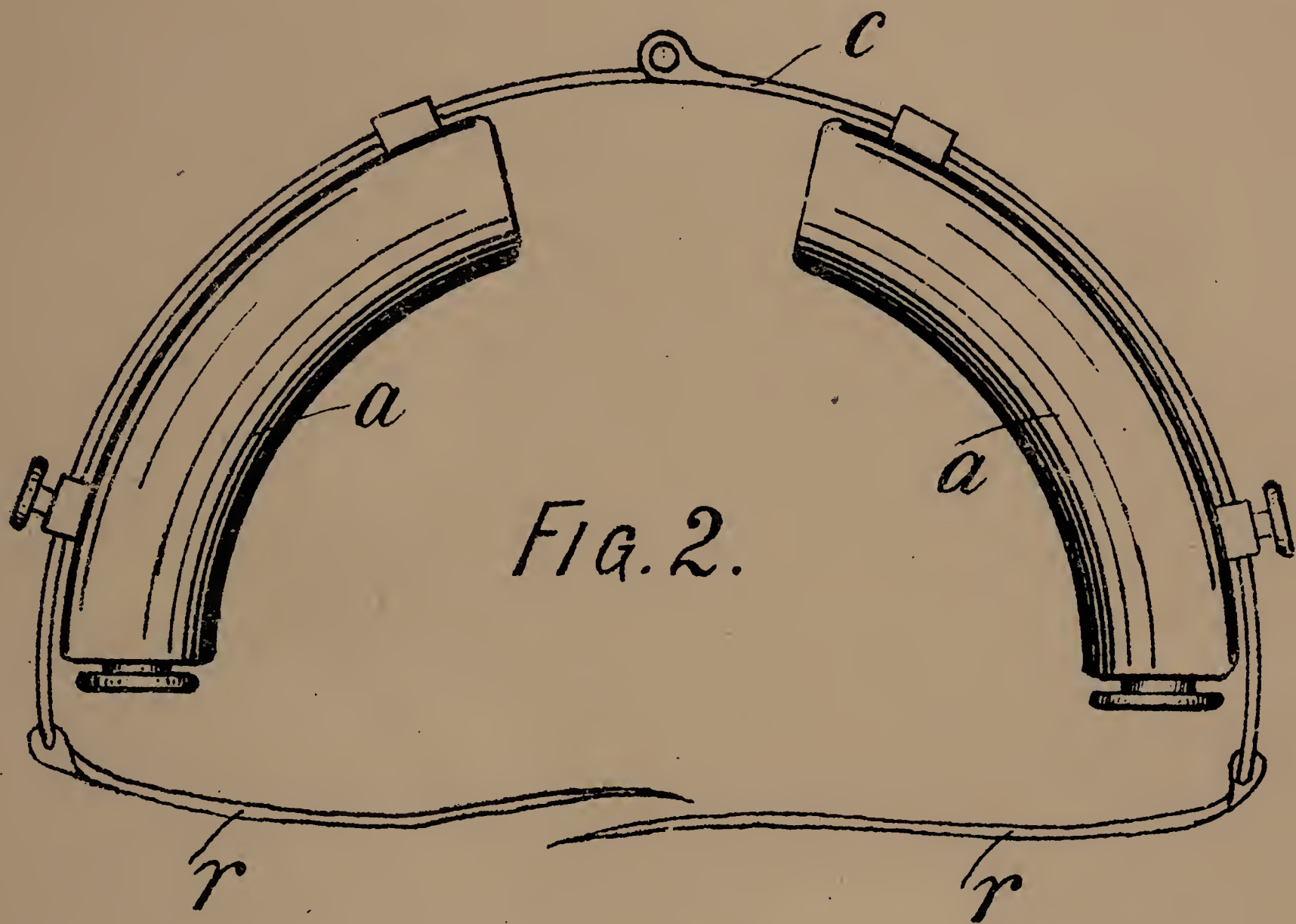
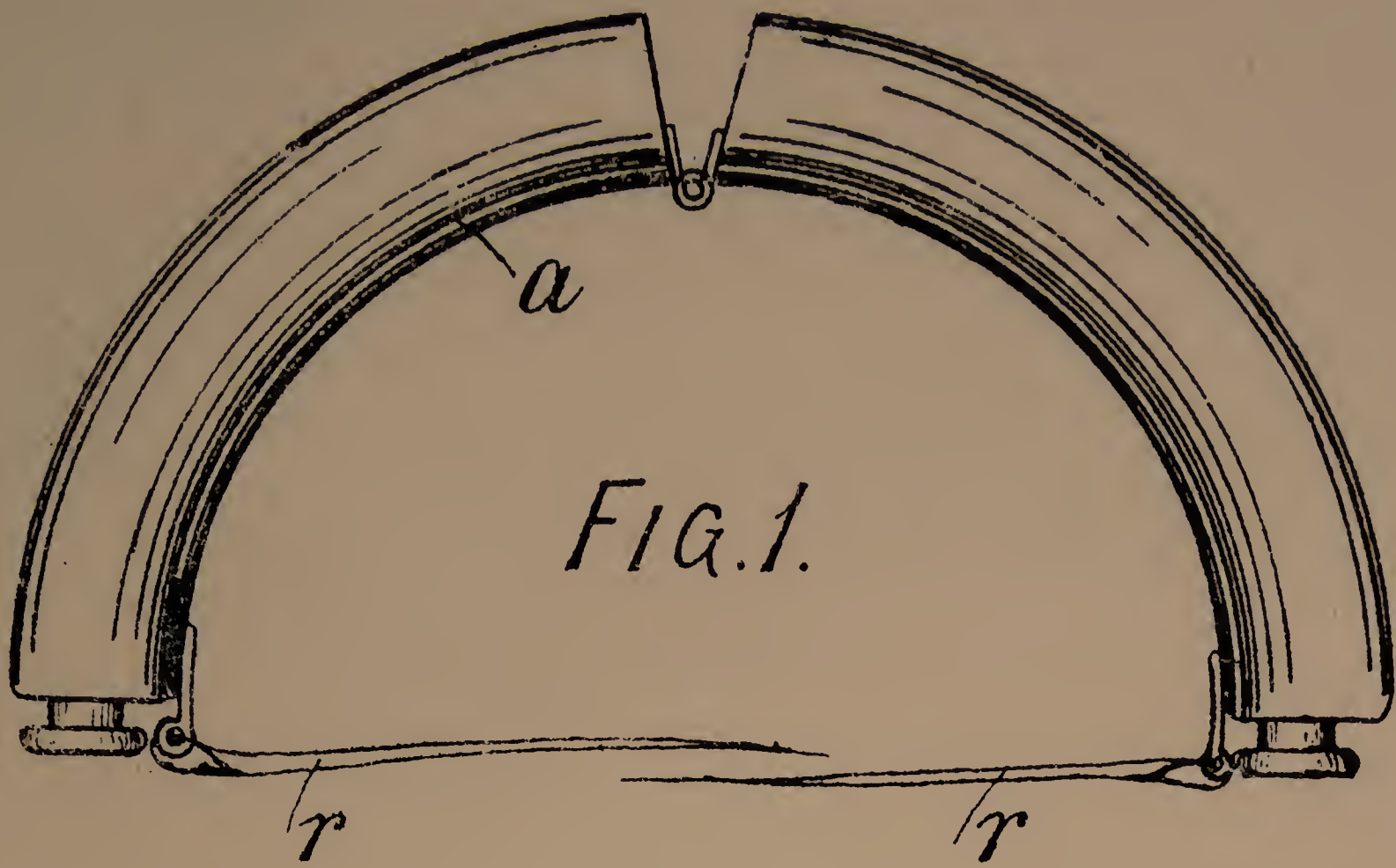
2. The herein described and shown neck-heating and cooling bottle composed of two or more adjustable sections

Dated this 27th day of February, 1905. 50

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[This Drawing is a reproduction of the Original on a reduced scale.]

